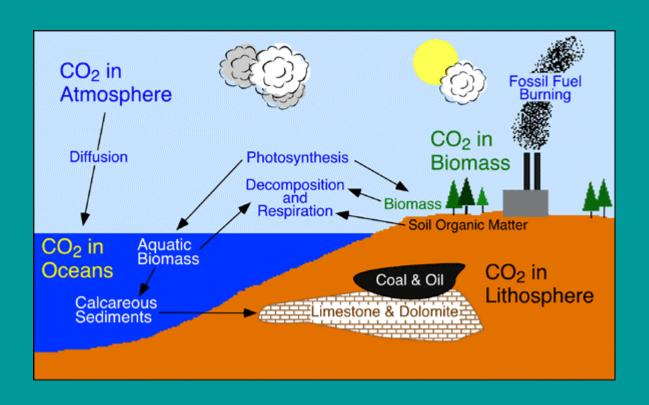
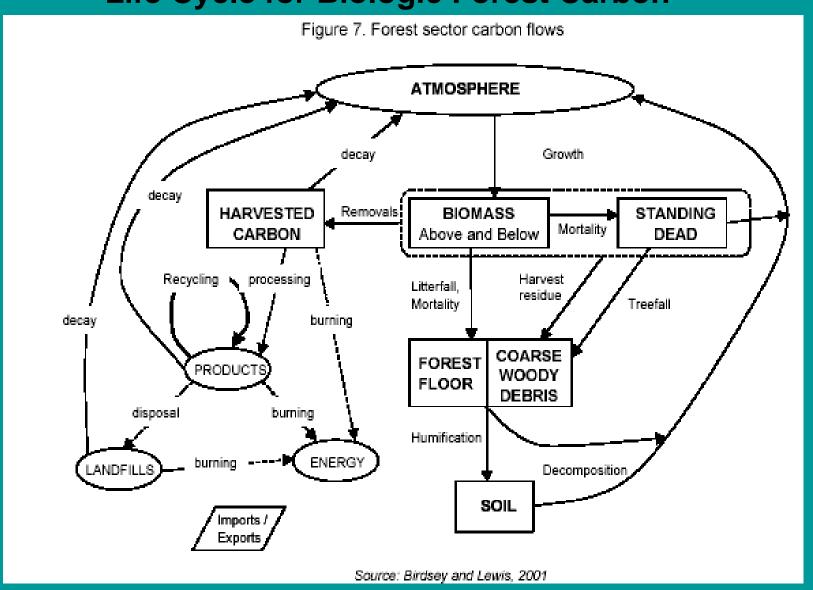
California Forests and Climate Change SB 812 Forest Protocols Introduction Andrea Tuttle, Director Calif. Dept. Forestry and Fire Prot. May 27, 2004

General Role of Forest in the Carbon Cycle



Life Cycle for Biologic Forest Carbon



The predicted impacts of Global Warming of most concern to California include:

- Reduced summer runoff of fresh water
- Increased winter rains intensify flooding and landslides
- Reduced coastal fog
- Longer, hotter summers
- Invasive species out compete natives for critical resources
- Climate changes increase the number of endangered species
- Pest species become more prominent or destructive
- Longer dry periods will decrease forest fuel moisture
- Fisheries negatively impacted
- Cycles of beach and cliff erosion from wave damage





San Bernardino County Lake Arrowhead



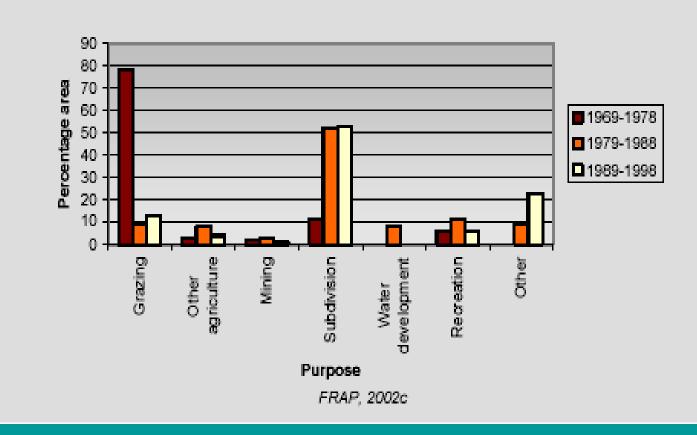




Failure to Manage Forests Results in Carbon Emissions and Public Risk

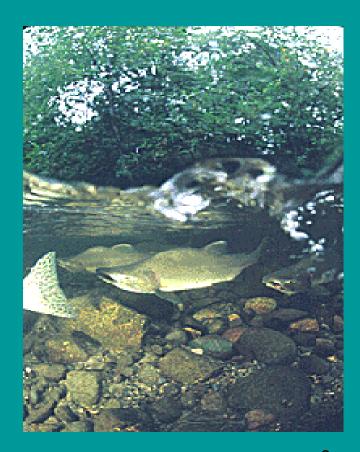
Forest Lands are being Converted to Non-Forest Uses





CHARISMATIC CARBON





Imagine an insert in your airline ticket that says, Å gYou GHG emissions are being offset by protecting forests and salmon in CaliforniaÅ h